

THE NEW INTERNATIONAL TECTONIC MAP OF EUROPE

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A new International Tectonic Map of Europe, scale 1:5 000 000 is recently published by the CGMW Subcommission for tectonic maps. It has been compiled by international team consisted of authors nearly of all European countries. Besides the European continent, the Map covers the Mediterranean area, Northern Atlantic and North European shelves. This is the third edition of the Map, the first and second ones published in 1964 and 1980 in scale 1:2 500 000. But it differs drastically from the both abovementioned maps not only in scale. At first the legend is quite different. It is based on two main characteristics: (1) age of deformations and other important tectonic events, and (2) geodynamic setting of rock complexes according to plate tectonics model. Some other features are: (a) far more detailed representation of the ocean and sea floor tectonics; (b) important modifications in subdivisions and correlation of Precambrian rocks especially for shields and basement of the East European craton (EEC); (c) representation of the basement of the EEC as well as of epi-paleozoic platforms of Central and Western Europe on the special inset map; (d) subdivision of platform covers (usually with more details than earlier) into complexes, that correlate to some extent to fold belts and sea/ocean floor development stages; (e) detailed subdivision of shelves and continental rise rock complexes; (f) up-to-date geological-geophysical information has been used whenever possible.